CLAIMS

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What is claimed is:

1. A method of treating with oxybutynin a human subject having overactive bladder, while minimizing an anticholinergic or antimuscarinic adverse drug experience associated with said oxybutynin treatment therapy comprising the step of:

administering as a transdermal patch, a composition comprising oxybutynin to said subject to provide a plasma area under the curve (AUC) ratio of oxybutynin to an oxybutynin metabolite of from about 0.5:1 to about 5:1 with a peak oxybutynin metabolite plasma concentration of less than about 8 ng/ml, wherein the transdermal patch optionally includes a permeation enhancer.

- 2. The method of claim 1, wherein the AUC ratio of oxybutynin to an oxybutynin metabolite is from about 1:1 to about 5:1.
 - 3. The method of claim 2, wherein the AUC ratio of oxybutynin to an oxybutynin metabolite is from about 0.8:1 to about 1.5:1.
- 20 4. The method of claim 1, wherein the metabolite of oxybutynin is N-desethyloxybutynin.
 - 5. The method of claim 4, wherein the N-desethyloxybutynin is (R)-N-desethyloxybutynin, (S)-N-desethyloxybutynin or a combination thereof.
 - 6. The method of claim 1, wherein the oxybutynin is a mixture of R-oxybutynin and S-oxybutynin.
 - 7. The method of claim 6, wherein the oxybutynin is R-oxybutynin.
 - 8. The method of claim 1, wherein the peak metabolite plasma concentration is less than about 5 ng/ml.

9. The method of claim 1, wherein the oxybutynin metabolite is N-desethyloxybutynin and the N-desethyloxybutynin plasma concentrations are below about 2.0 ng/ml at about 6 hours after administration.

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10. The method of claim 1, wherein the oxybutynin metabolite is N-desethyloxybutynin and oxybutynin and N-desethyloxybutynin plasma concentrations are below about 8 ng/ml at about 24 hours after initial administration.

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- 11. The method of 10, wherein the oxybutynin wherein the metabolite is N-desethyloxybutynin and at steady state, the oxybutynin and N-desethyloxybutynin plasma concentrations are below about 8 ng/ml for the duration of administration.
- 15 12. The method of any of claims 1-11 wherein the transdermal patch is administered for a duration of from about 24 to about 96 hours.
 - 13. The method of claim 12, wherein the duration of administration is between 72 and 96 hours.

- 14. The method of claim 13, wherein the duration of administration is 72 hours.
- 15. The method of claim 13, wherein the duration of administration is 84 hours.
- 25 16. The method of any of claims 1-11, wherein the transdermal patch has a size of from 13 cm² to 39 cm².
 - 17. The method of claim 16, wherein the patch size is 13 cm².
- 30 18. The method of claim 16, wherein the patch size is 39 cm².
 - 19. The method of claim 16, further comprising the step of concurrently

administering multiple patches to the subject.

20. The method of claim 19, wherein the plurality of patches is a plurality of 13 cm² patches.

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- 21. An article of manufacture for transdermal application comprising:
- a transdermal patch including a composition of oxybutynin and optionally a permeation enhancer for administration to a human subject, wherein the patch provides upon administration, a plasma AUC ratio of oxybutynin to an oxybutynin metabolite from about 0.5:1 to about 5:1 with a peak oxybutynin metabolite concentration of about 8 ng/ml, and wherein said patch minimizes an anticholinergic or antimuscarinic adverse drug experience associated with the administration of oxybutynin.
- The article of manufacture of claim 21, wherein the AUC ratio of oxybutynin to an oxybutynin metabolite is from about 1:1 to about 5:1.
 - 23. The article of manufacture of claim 22, wherein the AUC ratio of oxybutynin to an oxybutynin metabolite is from about 0.8:1 to about 1.5:1.

- 24. The article of manufacture of claims 21, wherein the metabolite of oxybutynin is N-desethyloxybutynin.
- 25. The article of manufacture of claim 24, wherein the N-desethyloxybutynin is (R)-N-desethyloxybutynin, (S)-N-desethyloxybutynin or a combination thereof.
 - 26. The article of manufacture of claim 21, wherein the oxybutynin is a mixture of R-oxybutynin and S-oxybutynin.
- 30 27. The article of manufacture of claim 26, wherein the oxybutynin is Roxybutynin.
 - 28. The article of manufacture of claim 21, wherein the peak oxybutynin

metabolite concentration is about 5 ng/ml.

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- 29. The article of manufacture of claim 21, wherein the oxybutynin metabolite is N-desethyloxybutynin and the N-desethyloxybutynin plasma concentrations are below about 2.0 ng/ml at about 6 hours after administration.
 - 30. The article of manufacture of claim 21, wherein the oxybutynin metabolite is N-desethyloxybutynin and oxybutynin and N-desethyloxybutynin plasma concentrations are below about 8 ng/ml at about 24 hours after initial administration.
 - 31. The article of manufacture of 30, wherein the oxybutynin wherein the metabolite is N-desethyloxybutynin and at steady state, the oxybutynin and N-desethyloxybutynin plasma concentrations are below about 8 ng/ml for the duration of administration.
 - 32. The article of manufacture of any of claims 21-31 wherein the transdermal patch is administered for a duration of from about 24 to about 96 hours.
- 20 33. The article of manufacture of claim 32, wherein the duration of administration is between 72 and 96 hours.
 - 34. The article of manufacture of claim 33, wherein the duration of administration is 72 hours.
 - 35. The article of manufacture of claim 13, wherein the duration of administration is 84 hours.
- The article of manufacture of any of claims 1-11, wherein the transdermal patch has a size of from 13 cm² to 39 cm².
 - 37. The article of manufacture of claim 36, wherein the patch size is 13 cm².

- 38. The article of manufacture of claim 36, wherein the patch size is 39 cm².
- 39. The article of manufacture of claim 36, further comprising the step of concurrently administering multiple patches to the subject.
 - 40. The article of manufacture of claim 39, wherein the plurality of patches is a plurality of 13 cm² patches.
- 10 41. A method of treating with oxybutynin a human subject having overactive bladder, while minimizing an anticholinergic or antimuscarinic adverse drug experience associated with said oxybutynin treatment therapy comprising the step of:

 administering as a transdermal patch having a size of from 13 cm² to 39 cm² a composition comprising oxybutynin to said subject for a duration of from about 24 to about 96 hours to provide a plasma area under the curve (AUC) ratio of oxybutynin to an oxybutynin metabolite of from about 0.5:1 to about 5:1 with a peak oxybutynin metabolite plasma concentration of less than about 8 ng/ml, wherein the transdermal

patch includes an effective amount of a permeation enhancer selected from the group consisting essentially of: fatty acids, fatty acid esters, fatty alcohols, fatty acid esters of lactic acid or glycolic acid, glycerol di- and monoesters, short chain alcohols, and mixtures thereof.

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